

USSR/Human and Animal Physiology (Normal and Pathological).  
Effect of Physical Factors. Ionizing Radiation.

T-13

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75270

light-yellow color (result of change of proteins of blood). In different sections of the nervous system large locations of necrosis were observed, but the cerebral cortex remained preserved. Necrotic changes were observed in the sex glands, and in the cortical layer of the adrenals. In the lungs and gastro-intestinal tract - vascular infections with phenomena of diapedesis were noted. In the lymphoid tissues impoverishment of the follicles by lymphoid elements was noted, a great quantity of large cells with basophil granulation in the cytoplasm which were macrophages were observed. In all cases with acute radiation sickness, universal change was observed of the structure of paraplasmic substation: protein saturation and homogeneity of the vessel walls, intermediate tissue of the kidneys, heart, stomach, coursening and lumpy decay of the reticular network of the lymphoid tissue and bone marrow.

Card 2/3

TOROPTSEV, I.V.

AUTHOR: Volkov, M.N., Doctor of Chemical Sciences 3-58-5-26/35

TITLE: Intervuz Conferences on Science and Methods (Mezhvuzovskiy  
nauchnyye i metodicheskiye konferentsii) Electronic Accelerators  
(elektronnyye uskoriteli)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 5, page 80 (USSR)

ABSTRACT: The Nauchno-tekhnicheskiy sovet Ministerstva vysshego obrazovaniya SSSR (Scientific-Technical Council of the USSR Ministry of Higher Education) decided to convene in February 1958 in Tomsk an Intervuz Conference on Electronic Accelerators. Among the delegates were workers of important scientific institutions - the Mezhdunarodnyy ob'yedinennyy institut yadernykh issledovaniy (International Institute of Joint Nuclear Research), Fizicheskiy institut AN SSSR (Physics Institute of the USSR Academy of Sciences), Institut metallurgii AN SSSR (Institute of Metallurgy of the AS USSR Academy of Sciences), Institut biologicheskoy fiziki AN SSSR (Institute of Biological Physics of the AS USSR), Institut eksperimental'noy patologii i terapii raka AMN SSSR (Institute of Experimental Pathology and Therapy of Cancer, USSR Academy of Medical Sciences), Leningradskiy fiziko-tekhnicheskiy in-

Card 1/2

Intervuz Conferences on Science and Methods.

3-58-5-26/35

Electronic Accelerators

stitut AN SSSR (Leningrad Physico-Technical Institute of the AS USSR), and others. In the Section for Using Electronic Accelerators in Industry, Physics, Medicine and Biology, and in the Theoretical Section, the betatrons issued by the Tomskiy politekhnicheskii institut (Tomsk Polytechnical Institute) were mentioned as being widely used in detecting of defects in metals, studying the reaction of charged particles on substance, and in medical treatment. The reports of workers of the Tomskiy meditsinskiy institut (Tomsk Medical Institute) Professor I.V. Toroptsev, Dotsent N.V. Sokolova and others on the diseases of animals caused by the radiation of betatrons of 10 and 15 Mev were heard with great interest. In the Theoretical Section, Professor A.A. Vorob'yev delivered a report on a new method of accelerating electrons to very high energies. This method is based on using running waves in closed wave guides. In conclusion the conference indicated ways for a wider use of betatrons in different branches of science and technique and for an improvement in their structure.

Library of Congress

AVAILABLE:  
Card 2/2

TOROPTSEV, I.V., prof.

Research at the Tomsk Medical Institute, Zdrav. Ros. Feder. 3 no.11:  
19-24 N '59. (MIRA 13:3)

1. Direktor Tomskogo meditsinskogo instituta.  
(TOMSK--MEDICAL RESEARCH)

TOROPTSEV, I.V.; SOKOLOVA, N.V.

Pathological anatomy of death in animals during exposure to 25  
Mev betatron irradiation [with summary in English]. Med.rad. 4  
no.2:50-55 F '59. (MIRA 12:4)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. I.V. Torop-  
tsev) Tomskogo meditsinskogo instituta.

(RADIATIONS, effects,  
pathol. of death in animals during exposure to  
betatron (Rus))

TOROPTSEV, I.V., prof. (Tomsk)

Review of I.V. Davydovskii's "Pathological anatomy and the pathogenesis  
of diseases of man." Vol.2: Diseases of systems and organs. Arkh.pat.  
21 no.4:81-85 '59. (MIRA 12:12)  
(PATHOLOGY) (DAVYDOVSKII, I.V.)

TONOPTSEV, I.V.; SOBOLOVA, N.V. [Russian]; "TETRAKINA, V.I.; KIRKINA, V.A.

Reaction of the hemopoietic system of guinea pigs to chronic  
action of ionizing radiation applied in small doses. Arkh. pat.  
27 no.8:10-17 '65. (MIRA 18:110)

1. Kafedra patologicheskoy anatomii, patologicheskoy fiziologii i  
biologii Tomskogo meditsinskogo instituta.

GOL'DBERG, Yevgeniy Danilovich; TOROPTSEV, I.V., prof., red.;  
MORDOVINA, L.G., red. izd-va

[Leukemia and radiation] Leikozy i radiatsiia. Tomsk,  
Izd-vo Tomskogo univ., 1963. 71 p. (MIRA 16:7)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR  
(for Toroptsev).  
(LEUKEMIA) (RADIATION--PHYSIOLOGICAL AFFECT)



GOL'DBERG, D.I., zasl. deyatel' nauki RSFSR, prof.; GOL'DBERG, Ye.D.;  
TOROPTSEV, I.V., prof., red.; OSCVSKIY, A.T., tekhn. red.

[Handbook of hematology with an atlas of microphotographs]  
Spravochnik po gematologii s atlasom mikrofotogramm. Toms,  
Izd-vo Tomskogo univ., 1961. 121 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
Toroptsev).

(HEMATOLOGY)



TOROPTSEV, M.N.

Calculating a clamping joint with a detachable hub. Trudy  
KAI no.81:23-28 '63. (MIRA 18:4)

TOROPTSEV, M.N., kand. tekhn. nauk

Determining stresses in the bolts of a clamped joint. Vest.  
mashinostr. 44 no.5:28-29 My '64. (MIRA 17:6)

TOROFTSEV, Nikolay Demidovich, kand.tekhn.nauk, dotsent

Use of saturable reactors in compensating devices with static  
condensers. Izv.vys.ucheb.zav.; elektromekh. 6 no.2:263-268  
'63. (MIRA 16:4)

1. Kafedra teoreticheskoy elektrotekhniki Kiyevskogo instituta  
Grazhdanskogo vozdukhnoy flota.  
(Electric reactors) (Condensers (Electricity))

8(6)

SOV/112-59-4-6815

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4,  
pp 58-59 (USSR)

AUTHOR: Toroptsev, N. D., and Samarich, A. A.

TITLE: Operating a 2-Wire-Ground-Return System

PERIODICAL: S. kh. Sev. Kavkaza, 1958, Nr 4, pp 86-87

ABSTRACT: Operating a 2-wire-ground-return system in the rural networks of Stavropol' kray revealed serious shortcomings. The principal difficulty lies in the fact that the insulation with respect to the ground of an ShD-35 insulator at 35 kv and an Sh-10 insulator at 10 kv has proved inadequate. Insulator failures often occur in humid weather, fog, or snow storm; they cause prolonged power interruptions. The impossibility of connecting a 2-wire-ground-return system in parallel with conventional lines, without special isolating transformers, as well as noise induced in communication circuits constitute other shortcomings. The need for special high-electric-strength

Card 1/2

SOV/112-59-4-6815

Operating a 2-Wire-Ground-Return System

insulators for a 2-wire-ground-return system makes the economic expediency of using this system for new transmission lines doubtful.

S.S. L.

Card 2/2

SOV/81-59-16-56557

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 418 (USSR)

AUTHORS: Shestakova, N.M., Toroptsev, N.G.

TITLE: Improvement of the Method of Determining Chloride Salts in Petroleum

PERIODICAL: Novosti neft. tekhn. Neftepererabotka, 1958, Nr 8, pp 26-28

ABSTRACT: In connection with the insufficiently accurate, very laborious and time-consuming determination of chlorides in petroleum according to State Standard GOST 2401-47 a new method of this analysis has been developed. To 25 ml of petroleum, 10 ml of gasoline of direct distillation, 15-30 ml acetone, 250 ml of boiling distilled water are added and mixed for 5 min on a mechanical rocking device with 120 shakings per min. An aqueous extract is separated, filtered through a paper filter in the presence of  $H_2S$ , boiled to a negative test with lead paper, acidified by 0.2 n  $HNO_3$  and titrated by a solution of mercury nitrate of 0.01 n with diphenylcarbazide as an indicator. Under described conditions a single extraction extracts 99.6% of chlorides, even if their content in petroleum is  $\sim 27,000$  mg/l, and the titration with mercury nitrate yields more exact results

Card 1/2



SOV/81-59-16-58557

Improvement of the Method of Determining Chloride Salts in Petroleum

than with  $\text{AgNO}_3$ , especially for petroleum with a low chloride content. The admissible discrepancies in parallel determinations at a chloride content of 50-10,000 mg/l do not exceed 5-100 mg/l, respectively.

A. Shakhov.

Card 2/2

ISAYEVA, M.I.; STANKEVICH, B.Ye.; TOROPTSEV, N.G.

Ways for reducing caustic soda consumption in alkalizing clear  
petroleum products. Trudy BashNII NP no.1:110-119 '59.  
(MIRA 12:6)

(Petroleum products)  
(Sodium hydroxide)

SOKOLOV, F.A.; STANKEVICH, B. Ye.; TOROPTSEV, N.G.

Developing methods for recovering sodium hydroxide from the  
alkali wastes of petroleum refining. Trudy Bash NII NP  
no.3:153-157 '60. (MIRA 14:4)  
(Sodium hydroxide)

SOKOLOV, F.A.; STANKEVICH, B.Ye.; TOROPTSEV, N.G.

Development of methods for the utilization of sulfur removed in  
the refining of clear petroleum products. Khim.sera-i azotorg.sved.sod.  
v neft.i nefteprod. 3:407-410 '60. (MIRA 14:6)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke  
nefti.

(Sulfur) (Petroleum products)

L 56492-65

ACCESSION NR: AP5017800

UR/0286/65/000/011/0031/0031  
631.859.12.002.2

4  
B

AUTHOR: Karatayev, I. I.; Mel'nik, B. D.; Repenkova, T. G.; Sviridova, A. G.;  
Doktorov, N. L.; Nazarov, G. N. Raygorodskiy, I. M.; Vasil'yev, B. T.; Bystrov,  
M. V.; Babaryka, I. F.; Kuzyak, F. A.; Fel'dman, M. V.; Soverchenko, D. A.;  
Buslakova, L. P.; Toroptseva, N. P.; Lyubimov, S. V.; Ul'yanov, A. T.; Andres,  
V. V.; Sobchuk, Yv. I.; Tsetlina, M. M.; Andreyev, V. V.; Kramer, G. L.

TITLE: A method for producing phosphoro-potassium fertilizers. Class 16, No. 171-409

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 31

TOPIC TAGS: fertilizers, phosphate, potassium

ABSTRACT: This Author's Certificate introduces a method for producing phosphoro-potassium fertilizers using cement dust (waste from cement production) as the potassium raw material. The process of adding potassium to the product is simplified and evaporation is prevented by using a 20% excess of an acid which directly neutralizes the cement dust for breaking down the phosphate raw material.

Card 1/2

L 56492-65

ACCESSION NR: AP5017800

ASSOCIATION: none

SUBMITTED: 29Mar62

ENCL: 00

SUB CODE: GC, LS

NO REF SOV: 000

OTHER: 000

*Card* 2/2

TOROPTSEVA, T. N.

"Production of Polybasic Aliphatic Acids for the Synthesis of Polyester Resins."  
Sub 25 Jun 51, Moscow Order of Lenin Chemicotechnological Institute D. I. Mendeleev  
Dissertations presented for science and engineering degrees in Moscow during 1951.  
SO: Sum. No. 480, 9 May 55

[illegible]



TOROPTSEV, M.N.

Calculating a clamp joint with guaranteed tightness. Trudy KAI no.62:  
133-138 '61. (MIRA 17:2)

112-57-8-16777D

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 120 (USSR)  
AUTHOR: Toroptsev, N. D.

TITLE: Electrification of Telfers at Livestock-Breeding Farms Using Three-Phase Induction Motors Operating on a Single-Phase Supply Line  
(Elektrifikatsiya podvesnykh dorog zhivotnovodcheskikh ferm s ispol'zovaniyem asinkhronnogo trekhfaznogo dvigatelya, rabotayushchego ot seti odnofaznogo toka)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to Mosk. in-t mekhanizm. i elektrifik. s. kh. (the Moscow Institute of Mechanization and Electrification of Agriculture), Moscow, 1956.

ASSOCIATION: Mosk. in-t mekhanizm. i elektrifik. s. kh. (the Moscow Institute of Mechanization and Electrification of Agriculture)

Card 1/1

TOROPTSEV, Nikolay Demidovich; ASTAKHOV, N.V., red.; IARIONOV, G.Ye.,  
tekhn. red.

[Use of a three-phase asynchronous motor in a single-  
phase connection with a condenser] Primenenie trekh-  
faznogo asinkhronnogo dvigatel'ia v skheme odnofaznogo vklju-  
cheniia s kondensatorom. Moskva, Gosenergoizdat, 1963. 36 p.  
(Biblioteka elektromontera, no.89) (MIRA 16:8)  
(Electric motors, Induction)

5(3)

SOV/EC-32-3-36/43

AUTHORS: Ushakov, S.H., Nikolayev, A.F., Torontseva, A.M., Trizno, M.S.  
 TITLE: The Synthesis of Monoalkylmaleates (Sintez monoalkilmaleinatov)  
 PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 667-672 (USSR)

ABSTRACT: The derivatives of dibasic acids polymerize with various mono- and divinyl compounds. The monoesters of maleic acid are investigated here. They are prepared by the reaction of maleic anhydride and primary, secondary, tertiary alcohols of the aliphatic, cyclic and aromatic series. Monoethyl maleate is obtained from maleic anhydride and absolute ethyl alcohol. It is separated from the reaction mixture by potash, ether, alcohol, diluted hydrochloric acid etc. The optimum temperature for the reaction is 80°C. A lowering of the temperature to 60°C reduces the reaction rate considerably. A temperature increase leads to decomposition of the monoester. The monoesters of the maleic acid are colorless, transparent, viscous liquids with a characteristic odor. They are soluble in

Card 1/2

SCV/50-32-3-36/43

The Synthesis of Monoalkylmaleates

storing but not to heating. Their specific weight decreases with the increase of the molecular weight of the alcohol (Table 3).

There are 3 tables and 7 references, 1 of which is Soviet, 3 English, 2 American and 1 Swiss.

SUBMITTED: Janua 7, 1956

Card 2/2

ACCESSION NR: AP4040526

S/0080/64/037/006/1334/1340

AUTHOR: Kuznetsova, V. A.; Kryazhev, Yu. G.; Rogovin, Z. A.;  
Toroptsava, T. N.

TITLE: Synthesis of graft copolymers of 2-methyl-5-vinylpyridine,  
acrylic, or methacrylic acid

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 6, 1964, 1334-1340

TOPIC TAGS: copolymer, graft copolymer, pyridine. 2-methyl-5-vinyl-,  
acrylic acid, methacrylic acid, poly(vinyl chloride), ftorlon,  
polyethylene, polycaprolactam, ion exchange material, current con-  
ductive material, chemically stable material, free radical polymeri-  
zation

ABSTRACT: Graft copolymers of chemically stable water-repellant  
polymers with electrically dissociating monomers have been synthe-  
sized. Free radical graft copolymerization of 2-methyl-5-vinyl-  
pyridine, acrylic, or methacrylic acid on swollen films, fibers,  
and fabrics of poly(vinylchloride) ftorlon, polyethylene, or poly-  
caprolactam yielded materials with an ion-exchange capacity of  
Card 1/2

ACCESSION NR: AP4040526

1—3.5 mg-equiv/g, which swell in aqueous media and exhibit high mechanical strength and low electrical resistivity in the swollen state. Films of polyethylene-methacrylic acid copolymers retain their strength and electrical conductivity after immersion for six months at 500C in a 40% KOH solution. Orig. art. has: 3 figures and 5 tables.

ASSOCIATION: none

SUBMITTED: 20Oct62

DATE ACQ: 06Jul64

ENCL: 00

SUB CODE: OC

NO REF SOV: 001

OTHER: 000

Card 2/2

AFC NR: AR6035228 SOURCE CODE: UR/0372/66/000/008/G013/G013

AUTHOR: Rodionov, A. M.; Toroptsov, V. S.

TITLE: Method of determining the optimal adjustments of linear automatic control systems with unstable objects with delay

SOURCE: Ref. zh. Kibernetika, Abs. 8G78

REF SOURCE: Sb. Avtomatiz. khim. i neftekhim. proiz-v. Vyp. 2, M., 1965, 20-28

TOPIC TAGS: linear automatic control, perturbation method, optimal adjustment, controller

ABSTRACT: A scheme for constructing an approximate analytical solution by the perturbation method was discussed for the equation  $\dot{x}(t) = -f(t, x(t))x(t-\tau)$  ( $\tau$  is a small constant lag). The scheme may be extended for use in high-order equations. The limits of changes in  $\tau$  for possible application of the equations obtained is explained, and recommendations for their use are given. The use of a digital computer for calculating the optimal adjustments using the equations cited

Card 1/2

UDC: 62-5.002.73



ACC NR: AR6035228

is suggested. The above relations have been obtained as a result of studies on the transient of second-order pattern systems with pneumatic and self-actuated controllers. The original article has 2 figures. Bibliography of 9 titles. [Translation of abstract] [NT]

SUB CODE: 12/

Card 2/2

ACC NR: AR6035401

SOURCE CODE: UR/0372/66/000/009/0024/0024

AUTHOR: Gol'dina, M. B.; Toroptysov, V. S.

TITLE: Calculation of the reliability of direct-action regulators

SOURCE: Ref. zh. Kibernetika, Abs. 90156

REF. SOURCE: Sb. Avtomatiz. khim. i neftekhim. proiz-v. Vyp. 3. M., 1965, 69-80

TOPIC TAGS: automatic regulation, reliability, <sup>engineering</sup> probability, circuit failure, circuit

<sup>reliability</sup>  
ABSTRACT: Procedures are developed for the calculation of the reliability of a direct-action regulator. In the calculation the following characteristics of reliability are observed: a) probability of absence of failure of the "open circuit" type, b) probability of the absence of failure of the type "short circuit," c) the efficiency of the functioning of the regulator, which is defined as the mathematical expectation of its output effect, i.e., the probability of fulfilling the task for all possible states of the regulator. 2 illustrations. V. L. [Translation of abstract]

SUB CODE: 1409, 13

Card 1/1

UDC: 62-507.019.3

L 8232-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AR5018112

SOURCE CODE: UR/0271/65/000/007/A045/A045

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 7A336

AUTHOR: Toroptsov, V. S.

TITLE: Widening the range of throttling of control units in a pneumatic standardized system

CITED SOURCE: Vestn. tekhn. i ekon. inform. N.-i. in-t tekhn.-ekon. issled. Gos. kom-ta khim. prom-sti pri Gosplane SSSR, vyp. 9, 1964, 24-25

TOPIC TAGS: automatic control system, pneumatic automatic control 14

TRANSLATION: Connecting control units (3RB-1, 4RB-32A, 4RB-32B) and a ratio relay (RS-33A) in series permits obtaining a total throttling range within 2.5-1250%. The above scheme has been successfully used in a temperature-control system. Bib 4, figs 2.

SUB CODE: 13

60  
Card 1/1

UDC: 62-525

POKHRETH, A.S.

"Raising Calves on Various Types of Feed Rations." Sov. Vet. Sci., Kirovskiy  
Leningrad, Leningradskiy VUZ, Kirov, 1952. (KL, No 12, Apr 52)

See: Sci. No. 504, 1 Nov 55 - Survey on Cattle and Poultry Diseases  
Defended at USSR Higher Educational Institutions (16).

TOROPYGIN, Ye.I.

Using the synthesis of mechanisms for generating the elliptic  
profile of a cylindrical cam. Teor. mash. i mekh. no.103/104:  
37-42 '64. (MIRA 17:11)

TOROPYGIN, Ye.I., aspirant

Profiling cylindrical cams according to arcs of ellipses. Izv.vys.  
ucheb.zav.; mashinostr. no.1:10-19 '60. (MIRA 14:5)

1. Tomskiy politekhnicheskiy institut.  
(Cams)

TOROPYGIN, Ye.I., assistant

Some problems in the design of cylindrical cams outlined  
with arcs of ellipses. Izv. vys. ucheb. zav.; mashinostr.  
no.2:5-11 '63. (MIRA 16:8)

1. Tomskiy politekhnicheskiy institut.

*ТОРОПЫГИН, Ye.I.*  
TOROPYGIN, Ye.I.

Investigating elliptic compasses. Izv.TPI 85:366-373 '57.  
(MIRA 10:12)

1. Predstavleno prof. doktorom tekhn.nauk P.M. Alabuzhevym.  
(Mathematical instruments)



TOROPYGIN, Ye.I., aspirant

Profiling cams with a composite law of motion for tappets. Izv.  
vys.ucheb.zav.; mashinostr. no.6:16-24 '60. (MIRA 13:7)

1. Tomskiy politekhnicheskiy institut.  
(Cams)

*TOROPYGIN. Ye I*  
TOROPYGIN. Ye I.

g elliptic compasses. Izv.TPI 85:374-378 '57. (MIRA 10:12)

i. tavleno prof. doktorom tekhn.nauk P.M. Alabuzhevym.  
(Mathematical instruments)

NIKOLAYEV, A.F.; DANIEL', N.V.; TOROPTSEVA, A.M.; VARGA, I.; IVANOVA, N.V.

Preparation and properties of poly-N-vinylsuccinamic acid. Vysokom.soed.  
6 no.2:292-296 F '64. (MIRA 17:2)

1. Leningradskiy tekhnologicheskij institut imeni Lensoвета.

S/145/60/000/006/008/015/XA  
D221/D304

AUTHOR: Toropygin, Ye. I., Aspirant

TITLE: Profiling cams with a combined law of motion of the follower

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 6, 1960, 16 - 24

TEXT: The author develops a new method of profiling cams by sections of ellipses which permits tracing the above directly on the blank. The pressure angle and the speed of the cam are regarded as fixed. Only the domain of accelerated motion of the follower is considered since the quantities corresponding to the domain of deceleration can be obtained by multiplication by the ratio of accelerations. The transition profile of the cam is successively supposed to have the form of a parabola, a circle and an ellipse. The equations of these curves are reduced to a form enabling their parameters to be compared; the parameters of the ellipse are determined accordingly. The changes in the cam dimensions due to replacement of the parabola  
Card 1/2 ✓

Profiling cams with a combined law ... S/145/60/000/006/008/015/XX  
D221/D304

ic profile by an elliptic one are analyzed. Finally, the acceleration of the follower due to the change of cam profile is considered. A numerical example is given. The author concludes that elliptic profiles have an essential advantage over the circular ones for the pressure angles of  $45^{\circ}$  to  $60^{\circ}$ . There are 5 figures, 2 tables and 13 references: 11 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: A.F. Gagne, Machine Design, no. 7, 22, July, 1950; R.C. Johnson, Machine Design, 7, no. 3, 1957, p. 105-108.

ASSOCIATION: Tomskiy politekhnicheskii institut (Tomsk Polytechnic Institute)

SUBMITTED: June 8, 1959

Card 2/2

PODYMAKHIN, V.N.; TOROPYCHNA, E.G.

Liquid scintillation counter for analyzing biological preparations. Atom. energ. 17 no.12:120-121 Ag '64

(MIRA 1748)

TRET'YAKOV, G.; US, V.; TOROS, Kh.; VLADIMIROV, K.

Reliable protection. Pozh.delo 3 no.8:8-9 Ag '57. (MLRA 10:8)

1. Nachal'nik Medvedovskoy mezhkolkhoznoy dobrovol'noy pozharney družiny (for Tret'yakov).
2. Komandir otdeleniya Dobrovol'noy pozharney družiny kolkhoza imeni Lenina, Novo-Titarovskogo rayona (for Us).
3. Nachal'nik Dobrovol'noy pozharney družiny kolkhoza imeni Lenina, Gelendzhikskogo rayona (for Toros).
4. Predsedatel' kolkhoza imeni Kirova, Plastunovskogo rayona (for Vladimirov).

(Kuban--Fire prevention)

FAY, Gy.; FENYES, I.; TOROS, R.

On the quantum mechanical possibility of physical conditions. Acta  
phys Hung 11 no.2:109-115 '60. (EEAI 9:10)

1. Institut für Theoretische Physik, Roland Eotvos University,  
Budapest. Verlegt von L. Janossy.  
(Quantum mechanics)



FAY, Gyula; TOROS, Robert; FOLDESI, Istvan, dr., adjunktus; RETI, Endre, dr.;  
SVEKUS, Oliver.

Nobel prize winners of 1963. Term tud kozl 8 no.1: 2-5 Ja-'64

1. Budapesti Muszaki Egyetem Atomfizikai Tanszek (for Fay and Toros).
2. Eotvos Lorand Tudomanyegyetem Altalanos es Szervetlen Kemiai Tanszek (for Foldesi).
3. Budapesti Orvostudomanyi Egyetem Konyvtaranak igazgatoja (for Reti).
4. Tudomanyos Ismeretterjeszto Tarsulat Orszagos Fizikai Valasztmanyanak titkara (for Svekus).

TORCS, T.

Some problems of crease-  
resistant finish. p. 165.  
MAGYAR TEXTILTECHNIKA.  
(Textilipari Muszaki es  
Tudomanyos Egyesulet)  
Budapest.  
No. 5, May 1956.

SOURCES: EEAL - LC Oct. 1956 Vol. 5 No. 10

TOROSHCHIN, Pavel Alekseyevich; ZAKGEYM, L.N., retsenzent; RENNE,  
V.T., doktor tekhn. nauk, prof.; nauchn. red.; KASKINA,  
T.D., red.

[Metallized paper capacitors] Metallobumazhnye kondensatory.  
Moskva, Energiia, 1965. 212 p. (MIRA 18:5)

MEGRELISHVILI, T.G.; TOROSHELIDZE, T.I.

Twilight luminescence of OH. Astron.tsir. no.225:9-10 S '61.  
(MIRA 16:1)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Night sky--Spectra) (Hydroxyl group)

MEGRELISHVILI, T.G.; TOROSHELIDZE, T.I.

New OH emission in the spectrum of twilight sky. Astron. tsir.  
no.225:11-12 S '61. (MIRA 16:1)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Night sky--Spectra) (Hydroxyl group)

MEGELISHVILI, T.G.; TOROSHIDZE, T.I.

Variations in sodium luminance in twilight. Biul. Abast. astrofiz. obser.  
32:165-182 '65. (MIRA 15:10)

TOROSHELIDZE, T.T.; CHIPASHVILI, D.G.

Study of infrared films of the types I-230, I-920, I-1000, and I-1000.  
Biul. Abast. astrofiz. obser. 32:187-196 '65. (MIRA 18.10)

L 37703-66 EWT(1)/EWT(m)/FCC/EWF(t)/ETI IJF(c) GW/JD

ACC NR: AT6017165

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SOURCE CODE: UR/2501/65/000/032/0165/0182

AUTHORS: Megrelishvili, T. G.; Toroshelidze, T. I.

ORG: none

63  
B+1

TITLE: The problem of variations in sodium emission at twilight

SOURCE: Abastumani. Astrofizicheskaya observatoriya. Byulleten', no. 32, 1965, 165-182

TOPIC TAGS: sodium, solar radiation, astronomic observatory, twilight, spectral line, line intensity, solar radiation intensity

ABSTRACT: The results of a study of seasonal variations in the intensity of twilight sodium emission are given. The data were obtained in spectrographic observations in 1961, 1962, and 1963 at the Abastuman Astrophysical Observatory with SP-48 spectrographs. The elevation above sea level is 1700 m,  $\phi = 41^{\circ}45'N$ ,  $\lambda = 2^{\circ}51'E$ . The spectrographic observations were made simultaneously in three directions: 1) in the solar vertical ( $h = 20^{\circ}-25^{\circ}$ ); 2) to the north ( $h = 23^{\circ}$ ); and 3) at the zenith. For the north direction, the principal maximum is observed in April and somewhat more weakly in November and in July. Unlike the observations in the solar vertical, the seasonal variations for morning and evening differ in the north direction. A study of the change in the elevation of the maximum of the emitting layer in two directions

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L 37703-66

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separately for morning and evening showed that vertical displacement occurs without a doubt and that it depends upon the season. Orig. art. has: 17 graphs, 5 tables, and 1 formula.

SUB CODE: 03/

SUBM DATE: none/

ORIG REF: 001/

OTH REF: 024

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Card 2/2

NIKOLAYSHVILI, N.M.; LOSKUTOVA, N.V.; TOROTADZE, I.I.

Comprehensive study of Vakis-Dzhari, Georgia, syenites as raw  
materials for the manufacture of alumina, soda, and cement. Trudy  
KIMS no.5:95-97 '63. (MIRA 18:10)

KOMAROV, N.M., prof.; TORPAKOV, F.G., kand.veterin.nauk; SLAVIN, A.M.,  
uchenyy zootekhnik

Ventilation of pigsties with a heated air flow. Veterinariia  
37 no.7:75-78 J1 '60. (MIRA 16:2)

(Swine houses and equipment)  
(Farm buildings— Heating and ventilation)

End

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